To: Gwinn, Maureen[gwinn.maureen@epa.gov]; Kavlock, Robert[Kavlock.Robert@epa.gov]; Deener, Kathleen[Deener.Kathleen@epa.gov]; Axelrad, Daniel[Axelrad.Daniel@epa.gov]; Bahadori,

Tina[Bahadori.Tina@epa.gov]; Bussard, David[Bussard.David@epa.gov]; Cascio,

Wayne[Cascio.Wayne@epa.gov]; Thomas, Russell[Thomas.Russell@epa.gov]; Burke,

Thomas[Burke.Thomas@epa.gov]

From: Dix, David (NIH/NCATS) [V]

Sent: Thur 7/14/2016 9:00:55 PM

Subject: RE: Reframing Chemical Risk Assessment draft paper

VandenbergAgerstrand et al SYRINA 2016.docx

Thanks Maureen and Kacee for pulling this further along, and I will look to add comments/revisions by next Monday.

For all of your consideration, attached is a just published framework for systematic review and integrated assessment that covers a number of general principles and applications that may be useful to our paper.

Till the 25th, David

From: Gwinn, Maureen [mailto:gwinn.maureen@epa.gov]

Sent: Friday, July 08, 2016 7:54 PM

To: Kavlock, Robert; Deener, Kathleen; Axelrad, Daniel; Bahadori, Tina; Bussard, David; Cascio, Wayne;

Thomas, Russell; Burke, Thomas; Dix, David (NIH/NCATS) [V] **Subject:** Reframing Chemical Risk Assessment draft paper

Hi all -

Kacee and I have been working on pulling together the pieces received from all of you for the "Reframing Risk" paper and building on our group discussions. The attached is still a working draft, with some areas needing more input than others. Currently the discussion needs to be further fleshed out. I propose to the group to please send comments and revisions on the existing text by July 18th. I will incorporate those and send back around for discussion at a meeting the week of July 25th, at which we can propose recommendations to be included in the paper conclusions.

Kacee and I also have a MPH student intern working with us this summer who will be able to help with the tables, figures, and references in the attached. Laura Romano is a student at GWU who will be doing her practicum with us over the remainder of the summer.

A few points:

- The figure to represent a framework for public health based risk assessment needs to be heavily revised. I will work on that while the group reviews the draft attached, and share when I have some updated options.
- We have proposed some tables to cut down on text while touching on the large number of topics. These are not fully fleshed out in the current draft.
- In revising, we moved text and topics around somewhat from the original sections. I'm attaching the last draft outline so you can see any changes as you review.
- At our last meeting, we talked about including a figure on acceptable risk. That is not included in this draft at this time.
- Discussion and recommendations will need to be strengthened.
- Conclusions to be written following the next discussion.

Thanks

Maureen

Maureen R. Gwinn, PhD DABT ATS

Special Assistant/IOAA

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